

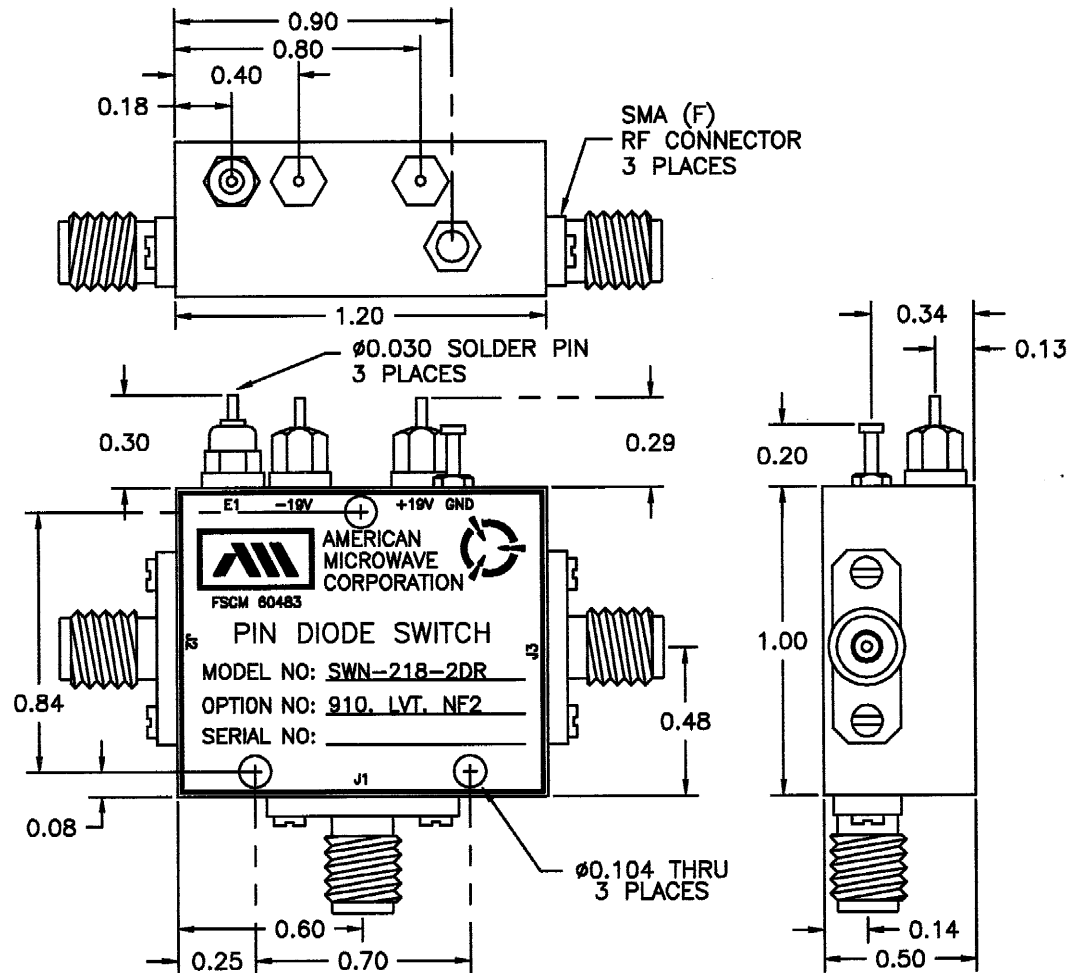
**DESCRIPTION:**

AMC MODEL SWN-218-2DR OPTION 910, LVT, NF2 IS A SINGLE POLE TWO THROW, REFLECTIVE SWITCH MODULE WITH VERY LOW INSERTION LOSS, HIGH ISOLATION, LOW VIDEO TRANSIENTS AND WITH INTEGRAL TTL DRIVER, DESIGNED FOR 9.0 TO 10.0 GHz OPERATION.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
		ORIGINAL RELEASE	9/27/99	

**SPECIFICATIONS:**

- FREQUENCY: ..... 9.0 GHz TO 10 GHz
- INSERTION LOSS: ..... 2.5 dB MAX. @ 10 GHz
- ISOLATION: ..... 50 dB @ 10 GHz
- VSWR (ALL PORTS): ..... 2.0:1
- SWITCHING SPEED:  
(10% RF TO 90% RF) ..... 100 ns  
(90% RF TO 10% RF) ..... 100 ns
- RF POWER: ..... +27 dBm MAXIMUM
- SURVIVAL POWER: ..... 1 WATT CW OR 10 WATT PEAK FOR 1 usec PULSE WIDTH
- CONTROL: ..... TTL SINGLE ENDED 1 BIT
- POWER SUPPLY: ..... +19 VDC @ 75 mA MAXIMUM  
..... -19 VDC @ 75 mA MAXIMUM
- CONNECTORS (RF): ..... SMA FEMALE, 3 PLACES
- CONNECTORS (POWER): ..... SOLDER PINS
- CONNECTORS (CONTROL): ..... SOLDER PINS
- LOGIC "0": ..... J1 TO J2
- LOGIC "1": ..... J1 TO J3
- VIDEO SUPPRESSION: ..... 5 mV MAXIMUM
- SIZE: ..... 1.20" (L) x 1.00" (W) x 0.50" (H)
- WEIGHT: ..... 1.5 OUNCE TYPICAL



NOTE:

DR=WITH DRIVER, REFLECTIVE  
DT=WITH DRIVER, NON-REFLECTIVE/ABSORPTIVE

ALL DIMENSIONS ARE IN INCHES  
TOLERANCES:

X.XX ±0.020  
X.XXX ±0.010

**ENVIRONMENTAL RATINGS:**

- TEMPERATURE: ..... -55°C TO +85°C (OPERATING)  
..... -65°C TO +125°C (STORAGE)
- HUMIDITY: ..... MIL-STD-202F, METHOD 103B COND. B
- SHOCK: ..... MIL-STD-202F, METHOD 213B COND. B
- VIBRATION: ..... MIL-STD-202F, METHOD 204D COND. B
- ALTITUDE: ..... MIL-STD-202F, METHOD 105C COND. B
- TEMPERATURE CYCLE: ..... MIL-STD-202F, METHOD 107D COND. A

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

APPROVALS		DATE	AMERICAN MICROWAVE CORPORATION FREDERICK, MARYLAND	
DRAWN <i>WSP, RRA</i>		9/27/99	TITLE PRODUCT FEATURE SWN-218-2DR OPTION 910, LVT, NF2	
CHECKED			SIZE	REV.
ISSUED			FSCM NO. A 60483	DWG NO. 100-4427-7
			SCALE N/S	SHEET 1 of 2